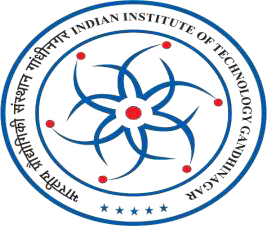
**INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR PALAJ, GANDHINAGAR- 382 355**

**E-mail:** [**purchase@iitgn.ac.in**](mailto:purchase@iitgn.ac.in)



**Tender No. IITGN/RES-201718-045-MOWR/CE/LTAS/2018- 19/436**

Tender Document for “Supply and Installation of “HPC Cluster, Storage and Other Related Accessories”

**INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR**

Ground Floor, Room No. 101, Academic Block no. 3, Palaj, Gandhinagar - 382 355. Email id – [purchase@iitgn.ac.in](mailto:purchase@iitgn.ac.in)

**Website:** [**www.iitgn.ac.in**](http://www.iitgn.ac.in/)

## Tender No.: IITGN/RES-201718-045-MOWR/CE/LTAS/2018-19/436 Date: 8th January, 2019 NOTICE INVITING TENDER

Dear Sir/Madam,

1. Online Sealed bids are invited on single stage two bid systems for Supply and Installation of “**HPC Cluster, Storage and Other Related Accessories**”. Manual/Offline bids shall not be accepted.
2. Document Download: Tender documents may be downloaded from CPPP Site [https://eprocure.gov.in/eprocure/ap](https://eprocure.gov.in/eprocure/app)p and Institute’s website i.e. [www.iitgn.ac.in](http://www.iitgn.ac.in/) (for reference only) **under section : Call for Tenders/Auction, Subsection : Materials Management Division** as per the schedule as given in CRITICAL DATE SHEET as under:

## CRITICAL DATE SHEET

|  |  |
| --- | --- |
| Tender Publishing Date and Time | **8th January, 2019, 11.00 AM** |
| Bid Document Download/Start Date and  Time | **8th January, 2019, 11.00 AM** |
| Clarification Start Date and Time | **8th January, 2019, 11.00 AM** |
| Clarification End Date and Time | **23rd January, 2019, 04.00 PM** |
| Bid Submission Start Date and Time | **8th January, 2019, 11.00 AM** |
| Bid Submission Download End Date and  Time | **4th February, 2019, 05.00 PM** |
| Bid Submission End Date and Time | **4th February, 2019, 05.00 PM** |
| Technical Bid Opening Date and Time | **6th February, 2019, 04.00 PM** |

1. Bid Submission :

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.

Tenderer are advised to follow the instructions “Instructions To Bidder for Online Bid Submission" provided in the Annexure for online submission of bids available at CPPP website: <https://eprocure.gov.in/eprocure/app>.

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

1. Not more than one tender shall be submitted by one bidder or bidders having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s), director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
2. Tenderer who has downloaded the tender from the Institute’s website i.e. [www.iitgn.ac.in](http://www.iitgn.ac.in/) and Central Public Procurement Portal (CPPP) website<https://eprocure.gov.in/eprocure/app>shall not tamper/modify the tender document including downloaded ‘Financial Offer’ template in any manner. In case if the same found tampered/modified in any manner, tender will be completely rejected and EMD shall be forfeited and tenderer is liable to be banned from doing business with IIT Gandhinagar.
3. Intending tenderers are advised to visit Institute website i.e. [www.iitgn.ac.in](http://www.iitgn.ac.in/) and CPPP website<https://eprocure.gov.in/eprocure/app> regularly till closing date of submission of tender for any ‘Corrigendum, Addendum, Amendment’.

## The General Terms and Conditions of the tender are as under:

1. If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item/equipment, the latest certificate to this effect should be signed, scanned and submitted along with technical offer.
2. Two Bid System will be followed in this tender. Bidders should take due care to submit online tenders in accordance with requirement in sealed cover/packet available in the online portal, **CPPP website:** [**https://eprocure.gov.in/eprocure/app**](https://eprocure.gov.in/eprocure/app). The tender documents are to be submitted in two parts as Technical Offer and Financial offer**.**

## The Technical offer should include the following detailed information accompanied by related documents as per (a) to (i) and all the documents shall scan and submit in the packet marked as ‘Technical Offer’:

* 1. Name of the bidder (As per Registration Certificate), Correspondence address, telephone number and fax number/E-mail id of the bidder shall be filled in Form A.
  2. Legal status (Individual, Proprietary firm, Partnership firm, Limited Company or Corporation) of the company along with statutory details (Signed and Stamped Certificate of Incorporation/Company Registration), Copy of PAN and GST Registration No.
  3. List of clients and the value of purchase orders. Were your company ever blacklisted by Central/State Governments/PSUs at any point of time or criminal proceedings/conviction? The certificate in respect to the above shall be scan and submitted in the prescribed format given in Form C.
  4. The latest certificate of the supplier/firm is manufacturer/authorized dealer/sole distributor in respect to the ‘Pre-Qualification Criteria’ mentioned in Point (a) of ‘Other Terms and Condition(s)’ of required item/equipment to this effect should be signed, scan and submit with technical offer.
  5. The detailed specifications of main item/equipment and its accessories shall be indicated and numbered in the **Annexure-II.** The bidder should submit ‘**Technical Compliance Report’** as per **Annexure-IV** of the quoted item/equipment. Moreover, the “Technical offer” must be accompanied by the signed and scanned Integrity Pact (as per **Annexure-V**).
  6. The tender acceptance letter as per **Annexure-IX**.
  7. The required ‘**Undertaking’** in respect to the ‘Pre-Qualification Criteria’ mentioned in Point (b) of ‘Other Terms and Condition(s)’ as per ‘**Annexure VI**’ and ‘**Warranty Declaration**’ mentioned in Point 7 of ‘Other Terms and Condition(s)’ as per **‘Annexure VII’.**
  8. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) shall be signed, scan and submit with the technical offer, wherever applicable.
  9. The Suppliers should scan and submit copies of suitable documents in support of their reputation, credentials and past performance about the product/equipment which they have supplied to premier educational Institution(s) along with technical offer. Without these documents the tender may be rejected by the Institute.

## The ‘Financial Offer’ should include the following detailed information as per (a) and (b) and the financial offer shall scan and submit in the packet marked as ‘Financial Offer’:

1. The financial offer should include the cost of main item/equipment and its accessories by considering all the requirements mentioned as in **Annexure-II and III**. If there is any separate cost for installation etc. that should be quoted separately. The total cost should be quoted in words as well as figures (typed or printed). Amendment should be avoided. Amendments, if any, should be duly initialed, failing which the offers are liable to be rejected.
2. The Financial Offer must be signed, scan and submit/mention in the **Annexure-VIII (A or B)** as applicable. If the financial offer is not in the prescribed format, it will be rejected.

The two parts of the online offer should be submitted in separate sealed packets available in online mode which shall clearly mark as **“Technical Offer” & “Financial Offer”**. These two packets along with packet for EMD and Tender Fee marked **“Tender Fee & EMD”** (total three packets) must be submitted online on or before the due date in respective packets available in online tender.

1. Quotations should be valid for 120 days from the tender due date. The technical offer should clearly indicate the period of delivery, warranty terms etc. A minimum of ‘**Five Years’** Comprehensive warranty is required from the date of installation and commissioning of item/equipment(s).
2. The technical and financial offer should be given for the items in the same order as indicated in the tender document.
3. The required quantity of the cited item/equipment(s) is mentioned in Annexure- II and may vary as per demand of the institute at the time of placing order.
4. The Vendor must be able to provide the product/items within specified time period as prescribed in the Purchase Order, failing which the EMD will be forfeited. Furthermore on completion of the stipulated time period, Purchase Order will be cancelled and award will be given to another qualified bidder with the negotiated terms & conditions.
5. The Institute prefers to import the cited items directly from Original Equipment Manufacturer (OEM) which shall be delivered by air/sea. The quoted price should be up to CIP, Ahmedabad and prefers the Insurance of the consignment shall be from the Original Equipment Manufacturer (OEM)’s warehouse to Institute’s Workshop.
6. (A) For Import purchase/supplies\*
7. In case of payment through Letter of Credit (LC), 90% (Ninety Percent) of the payment will be released after completion of the supply/delivery. The balance 10% (Ten Percent) of the payment will be released after satisfactory installation, commissioning of the item/equipment and submission of ‘Security Deposit’.
8. If the Payment is in the form of foreign currency draft/TT, the Institute may release the payment within 30 working days after supply/delivery, successful installation, commissioning of the item/equipment and submission of ‘Security Deposit’.

(B) For Indigenous purchase/supplies

‘Advance Payment’ is not allowed in any case. 100% payment will be released after completion of the

supply/delivery, successful installation, commissioning and submission of ‘Security Deposit’.

## \*In Case of payment through ‘Irrevocable Letter of Credit’ and/or ‘Foreign Currency Draft/TT’, the Bank Charges in India shall be borne by the Institute (i.e. IIT Gandhinagar) and outside India shall be borne by the Original Equipment Manufacturer (OEM)/supplier.

**Further, the bank details for establishing of ‘Irrevocable Letter of Credit’, ‘Foreign Currency Draft/TT’, RTGS/NEFT details for Indigenous Supplies shall be provided on Original Equipment Manufacturer (OEM)/supplier’s letterhead duly signed and stamped by authorised person of the organization.**

## No request for change in banking details will be entertained afterwards. However, request for change in banking details will be accepted only if the Original Equipment Manufacturer (OEM)/vendor/supplier provides an Indemnity Bond certified by the bank for the same.

1. IIT Gandhinagar is eligible for concessional rate of GST i.e. @ 5% under the Notification No. 45/2017, Central Tax (Rate), State Tax (Rate) and/or 47/2017, Integrated Tax (Rate), dated 14.11.2017 subject to applicability of the cited clause of GST on items based on directives of DSIR and is also eligible for concessional rate of custom duty. Necessary certificate will be issued on demand. IIT Gandhinagar will make necessary arrangements for the clearance of imported goods at the Airport. Hence, the price should not include these charges.
2. In the event of any dispute or difference(s) between the vendee IIT Gandhinagar and the vendor(s) arising out of non-supply of material or supplies not found according to the specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to the concerned authority of IIT Gandhinagar who may decide the matter himself or may appoint arbitrator(s) under the arbitration and conciliation Act 1996. The decision of the arbitrator shall be final and binding on both the parties.
3. The place of arbitration and the language to be used in arbitral proceedings shall be decided by the arbitrator.
4. All disputes shall be subject to Gandhinagar Jurisdiction only.
5. IIT Gandhinagar reserves the rights to accept/reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.
6. Any effort by a supplier to influence IITGN’s tender evaluation, tender comparison or contract/order

award decisions may result in the rejection of the supplier's tender and forfeiture of the supplier's EMD.

1. After opening of bids, information relating to the examination, clarification, evaluation and comparisons of bids and recommendations concerning the award of contract shall not be disclosed to bidders or other persons not officially concerned with such process.
2. The online tender/bid (i.e. technical offer) will be opened on **06.02.2019** at **04:00 PM** at IIT Gandhinagar Premises. No separate information shall be given to individual bidders.

a.) The suppliers or their authorized representative may also be present during the opening of the Technical offer, if they desire so, at their own expenses. The technical and financial evaluation criteria, required technical specifications and performance benchmark for the cited item/equipment(s) are mentioned in Annexure-I, II and III respectively.

b.) Only those financial offers will be opened whose technical offers scores minimum marks mentioned in the technical and financial evaluation criteria as Annexure-I, provides all the technical specifications mentioned in the Annexure-II and fulfill/provide(s) performance benchmarks indicated in the Annexure-III by the expert panel/committee appointed for the concerned item/equipment(s). The respective dates for opening of financial offer shall be published on Institute’s website (for reference only) and notified on E-procurement (CPPP) site.

c.) In incomparable situation, the committee may negotiate price with the technically and financially qualified bidder before awarding the offer.

d.) The tender committee reserves its right to select or reject any or all of the item/equipment(s) mentioned above without assigning any reasons.

1. In case the supplier/bidder requires any elucidation regarding the tender document, they are requested to contact to the Assistant Registrar (MM) through e-mail, [purchase@iitgn.ac.in](mailto:purchase@iitgn.ac.in) on or before **04:00 PM, 23.01.2019.**

18 (a). A demand draft of **Rs. 1,000/- (Rupees One Thousand Only)** towards non-refundable tender fee and a demand draft of **Rs. 1,61,000/- (Rupees One Lakh Sixty One Thousand Only)** towards refundable EMD from a nationalized bank/schedule bank in favor of “**IIT Gandhinagar Project and Consultancy Account**” payable at Gandhinagar should be scanned and submitted in a separate packet available online as **“Tender Fee & EMD”** and the physical demand drafts should be forwarded/submitted to the Institute. Tender fee and EMD issued by co-operative banks are not accepted. Both the demand drafts should be valid for 90 days **(Demand Drafts must be complied with CTS 2010 standards prescribed by Reserve Bank of India).** Without the tender fee and EMD the bid will not be considered.

1. **Valid NSIC and MSE Certificates will be accepted for relaxation of EMD and tender fee.** Presently EMD/Tender Fee exemptions and price preference are applicable to only Micro and Small Industries. In view of the above, if the vendor will claim for EMD/Tender Fee exemptions, the vendor should meet all the criterias for Micro and Small Industries. The vendor must have to submit the supporting documents like NSIC registration certificate, MSE registration certificate issued by competent government bodies to become eligible for the tender fee/EMD exemptions. **The certificates of the vendor (NSIC/MSE) shall cover the items tendered to get EMD/Tender Fee exemptions.** NSIC certificate shall be valid as on due date/extended due date of the tender. This is not applicable for non NSIC unit.

Note – In case the bid is submitted as an **Indian arm of a foreign bidder** and the eligibility criteria conditions were met through foreign company, then the **EMD exemption cannot be claimed under the MSME status of India arm/subsidiary**. Thus a bidder who solely on its own, fulfills each eligibility criteria condition as per the tender terms and conditions and who are having MSE status, can claim EMD exemption/tender fee.

1. The **EMD of the successful bidder** will be returned without any interest after completion of **the successful installation**. The earnest money of **unsuccessful bidders** will be returned to them **without any interest within thirty (30) working days after awarding the offer**. **For further query regarding the EMD, vendor/bidder(s) are required to contact with Assistant Registrar (MM) through e-mail,** [**purchase@iitgn.ac.in.**](mailto:purchase@iitgn.ac.in)

19. Requisite Tender Fee and EMD have to be forwarded/submitted through speed post or registered post, courier, hand delivery to the following address so as to reach the following address on/before **05:00 PM, 04.02.2019.**

## Assistant Registrar (MM)

Indian Institute of Technology Gandhinagar,

Ground Floor, Room No. 101, Academic Block no. 3, Palaj, Gandhinagar -382 355

Email id – [purchase@iitgn.ac.in](mailto:purchase@iitgn.ac.in)

## Other Terms & Conditions:

1. **Pre – Qualification Criteria**:
   1. **Authorization:** In continuation of clause 1, bidder(s) should be the manufacturer / authorized dealer. ‘Letter of Authorization’ from Original Equipment Manufacturer (OEM)/Principal on the same and specific to this tender should be scanned and submitted along with technical offer.
2. In this tender, either the Indian agent on behalf of the Principal/Original Equipment Manufacturer (OEM) or Principal / OEM itself can bid but both cannot bid simultaneously for the same item.
3. If an Indian agent submits bid on behalf of the Principal/Original Equipment Manufacturer (OEM), the same agent shall not submit a bid on behalf of another Principal/OEM in this tender.
   1. **Undertaking:** An undertaking from the Original Equipment Manufacturer (OEM) is required to be scanned and submitted stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty period as well, as per **Annexure-VI.**

**Note** – The bid of the vendor/bidder which does not comply with pre-qualification criteria will not be processed/evaluated further.

## Security Deposit:

* 1. Security Deposit is mandatory.
  2. Successful supplier/ firm should submit ‘Security Deposit’ in the form of ‘Demand Draft’ in favor of “**IIT Gandhinagar Project and Consultancy Account**” through any Nationalized Bank/Schedule Bank payable at Gandhinagar, for an amount covering 10% of the purchase order value of quantity of material on landed cost basis and to be received in the office of Assistant Registrar, Materials Management Division before the date of commencement of supply or 30 days from the date of acceptance of the purchase order, whichever is earlier.

However, the amount can also be transferred online to the following bank account of IIT Gandhinagar Project and Consultancy Account, UTR of the money transfer then be submitted to the Institute.

Account Name : IIT Gandhinagar Project and Consultancy Account Name of the Bank : Canara Bank

Account no. : 1414132000011

IFSC Code : CNRB0005159

* 1. Validity of the ‘Security Deposit’ shall be for a period of entire warranty period (i.e. five years) from the date of issue of installation & commissioning of the item/equipment. The ‘Security Deposit’ shall be refunded within 30 working days after completion of warranty period and deduction of penalty (if any) for violation of ‘Service Level Agreement’ or any violation of terms of the service after delivery as mentioned in the tender document.

1. **Integrity Pact:** The vendor/Tenderer(s) are required to submit the signed and scanned Integrity Pact (**as per Annexure-V)** along with the technical offer.
2. **Delivery**: The item/equipment should be delivered and installed within the period as specified in the purchase order and be ready for use within two weeks of delivery unless otherwise prescribed.
3. **Penalty:** If the suppliers fails to deliver and place any or all the equipment or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to the maximum of 10% of total order value will be deducted.
4. **Training**: Suppliers need to provide adequate training at IIT Gandhinagar to the nominated person(s) of IIT Gandhinagar at their cost. IIT Gandhinagar will not bear any training or living expenditure in this regard. The Supplier should arrange for regular visit to the IITGN campus by its technical team and assist in maintenance of the item/equipment within warranty period. Assistance limited to locking companies with manufacturer will not be considered sufficient.
5. **Installation & Warranty Declaration**: Suppliers must give the comprehensive onsite warranty as required from the date of successful installation of item/equipment against any manufacturing defects. In the installation report the model number of instrument and all spares parts/accessories numbers should be in the line of purchase order and suppliers are required to submit the warranty certificate **(as per Annexure-VII).** If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges (shipping cost both ways). **Installation must be done within stipulated time period from the date of delivery of the item/equipment as specified in the purchase order.**

Any deviation in the material and the specifications from the accepted terms may liable to be rejected and the suppliers need to supply all the goods in the specified form to the satisfaction / specifications specified in the Purchase order and demonstrate at the their own cost.



## Assistant Registrar (MM)

1. Name of the Supplier:

# Form A

**PARTICULARS TO BE FILLED BY THE BIDDER**

1. Complete Address of the Supplier:
2. Availability for demonstration of instruments at IIT Gandhinagar: Yes / No [Please √]
3. Cost of the Tender Fee enclosed: Yes/No [Please √] If yes,

a.) Name of the Bank b.) Amount in (₹)

c.) Demand Draft No.

1. Earnest Money Deposit enclosed: Yes / No [Please √] if Yes,

a.) Name of the Bank b.) Amount in (₹)

c.) Demand Draft No.

d.) Last Validity date of the enclosed DD

1. Communication details of the concerned contact person to whom all references shall be made regarding this tender enquiry. [NOTE: Any changes after submission of Tender documents kindly update IIT Gandhinagar]

a.) Full Name :

b.) Complete Postal Address:

c.) Telephone No.:

d.) Fax No.:

e.) Mobile No.:

f.) E-mail:

g.) Website Address:

**Note: - Demand Drafts must be complied with CTS 2010 standards prescribed by Reserve Bank of India.**

# Form B

**PARTICULARS FOR REFUND OF EMD TO SUCCESSFUL/UNSUCESSFUL BIDDER**

**RTGS/National Electronic Fund Transfer (NEFT) Mandate Form**

|  |  |  |
| --- | --- | --- |
| 1 | Name of the Bidder |  |
| 2 | Permanent Account No (PAN) |  |
| 3 | Particulars of Bank Account |  |
| a) Name of the Bank |  |
| b) Name of the Branch |  |
| c) Branch Code |  |
| d) Address |  |
| e) City Name |  |
| f) Telephone No |  |
| g) NEFT/IFSC Code |  |
| h) RTGS Code |  |
| i) 9 Digit MICR Code appearing on the cheque book |  |
| j) Type of Account |  |
| k) Account No. |  |
| 4 | Email id of the Bidder |  |

**Note: - Please attach original cancelled cheque along with the RTGS/National Electronic Fund Transfer (NEFT) Mandate Form.**

# Form C

**Undertaking by the Bidder**

1. This is to certify that I on behalf of M/s before signing this tender have read

and fully understood all the terms and conditions of this tender along with clarifications and undertake

that M/s will abide by them unconditionally and to the satisfaction of

IIT Gandhinagar.

1. M/s have not been black-listed by Central/ State Governments/ PSUs at any point

of time. There have been no criminal proceedings / conviction against the bidder at any point of time.

1. (i) I/We am/are not a relative/blood relation of any key managerial person of IIT Gandhinagar
   1. We are not a firm in which any key personnel of IIT Gandhinagar or his/her relative is a partner;
   2. I/We am/are not a partner in a firm in which any key managerial person of IIT Gandhinagar or his/her relative is a partner.

.

Signature:

Name:

Business Address:

Place:

Date:

# Form D

## Checklist for Supply and Installation of “HPC Cluster, Storage and Other Related Accessories”

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Checklist – Tender Fee & EMD (Online)** | | | | |
| **Sr.**  **No.** | **Particulars** | **Documents to be attached wherever applicable**  **(Please ‘’)** | | |
| **Yes** | | **No** |
| 1. | Demand Draft of Rs. 1,000/- (Rupees One Thousand Only) towards non- refundable tender fee is scanned and submitted.  **\*\*Demand Drafts must be complied with CTS 2010 standards prescribed by Reserve Bank of India** |  | |  |
| 2. | Demand Draft of Rs. 1,61,000/- (Rupees One Lakh Sixty One Thousand Only) towards refundable EMD is scanned and submitted.  **\*\*Demand Drafts must be complied with CTS 2010 standards prescribed by Reserve Bank of India** |  | |  |
| 3. | Online Packet is marked as “**Tender Fee and EMD**” |  | |  |
| **Checklist – Technical Offer (Online)** | | | | |
| **Sr.**  **No.** | **Particulars** | | **Documents to be attached wherever applicable**  **(Please ‘’)** | |
| **Yes** | **No** |
| 1. | Original/Endorsed documents scanned and submitted as indicated in the tender document   1. Name of the bidder (As per Registration Certificate), Correspondence address, telephone number and fax number/E-mail id of the bidder shall be filled in Form A. 2. Legal status (Individual, Proprietary firm, Partnership firm, Limited Company or Corporation) of the company along with statutory details (Signed and Stamped Certificate of Incorporation/Company Registration), Copy of PAN and GST Registration No. 3. List of clients and the value of purchase orders. Were your company ever blacklisted by Central/State Governments/PSUs at any point of time or criminal proceedings/conviction? The certificate in respect to the above shall be scan and submitted in the prescribed format given in Form C. 4. The latest certificate of the supplier/firm is manufacturer/authorized dealer/sole distributor in respect to the ‘Pre-Qualification Criteria’ mentioned in Point (a) of ‘Other Terms and Condition(s)’ of required item/equipment to this effect should be signed, scan and submit with technical offer. 5. The detailed specifications of main item/equipment and its accessories shall be indicated and numbered in the **Annexure-II.** The bidder should submit ‘**Technical Compliance Report’** as per **Annexure-IV** of the quoted item/equipment. Moreover, the “Technical offer” must be accompanied by the signed and scanned Integrity Pact (as per **Annexure-V**). 6. The tender acceptance letter as per **Annexure-IX**. 7. The required ‘**Undertaking’** in respect to the ‘Pre-Qualification Criteria’ mentioned in Point (b) of ‘Other Terms and Condition(s)’ as per ‘**Annexure VI**’ and ‘**Warranty Declaration**’ mentioned in Point 7 of ‘Other Terms and Condition(s)’ as per **‘Annexure VII’.** 8. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) shall be signed, scan and submit with the technical offer, wherever applicable. 9. The Suppliers should scan and submit copies of suitable documents | |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | in support of their reputation, credentials and past performance about the product/equipment which they have supplied to premier educational Institution(s) along with technical offer. Without these  documents the tender may be rejected by the Institute. |  |  | |
| 2. | Bank details for establishing of ‘Irrevocable Letter of Credit’, ‘Foreign Currency Draft/TT’, RTGS/NEFT details for Indigenous Supplies shall be provided on Original Equipment Manufacturer (OEM)/supplier’s letterhead  duly signed and stamped by authorised person of the organization scanned and submitted. |  |  | |
| 3. | Total no. of pages of the technical offer |  |  | |
| 4. | Online Packet is marked as “**Technical Offer**” |  |  | |
| **Checklist – Financial Offer (Online)** | | | | |
| **Sr.**  **No.** | **Particulars** | **Documents to be attached wherever applicable**  **(Please ‘’)** | | |
| **Yes** | | **No** |
| 1. | Financial Offer of the item/equipment as per Annexure-VIII (A or B) as  applicable scanned and submitted |  | |  |
| 2. | Total no. of pages of the financial offer |  | |  |
| 3. | Online Packet is marked as “**Financial Offer**” |  | |  |

**Annexure-I**

## Technical & Financial Evaluation Criteria for the Supply and Installation of “HPC Cluster, Storage and Other Related Accessories”

Bids will be evaluated on a scale of 100. Technical offer will have a maximum score of 50 and financial offer a maximum score of 50. The bidders will be called for a presentation, as part of the technical bid assessment. The bidder must score a minimum of 45 points out of 70 (Bidder Evaluation + Technical Evaluation) and a minimum of 15 points out of 30 in Presentation Evaluation to qualify technically. The financial bids, for the bidders who do not qualify technically will not be opened and therefore, will not be considered as a part of the financial bid evaluation. Thefinal award will be based on 50% weightage on technical bid evaluation (bidder + technical + presentation evaluation) and 50% weightage on financial bid evaluation. The financial score (FS) of other proposals will be determined using the formula: FS = 50xFP/F, in which FP is the lowest financial bid, and F is the financial bid of the particular vendor. Scores obtained on financial offer (out of 50) will be added to scores obtained on technical offer (out of 50) to get a consolidated score (out of 100). Bidder with the highest consolidated score will be selected/awarded. If there is a tie in the overall score, the vendor with the higher score on the financial offer will be selected/awarded.

Guidelines for technical bid evaluation:

1. The Technical Bid Evaluation comprises of three parts:
   1. Bidder Evaluation- 40 points
   2. Technical Evaluation - 30 points
   3. Presentation Evaluation - 30 points
2. All documents for ‘Bidder Evaluation’, ‘Technical Evaluation’ and ‘Presentation Evaluation’ need to be submitted with technical offer. The list of submitted documents towards evaluation must be clearly mentioned by the bidder in the prescribed format given in this tender and submit with technical offer to qualify. The print of technical presentation is not required to be submitted with technical offer.
3. The technical compliance sheet (Annexure –IV) needs to be duly filled and deviations (if any) must be mentioned clearly.
4. The technical details must be submitted on CD/DVD/Pendrive and contain files should be in text searchable format. The CD/DVD/Pendrive shall be forwarded to ‘Tender Inviting Authority’ of IIT Gandhinagar along with the envelope of ‘Tender Fee and EMD’ by the due date.
5. Further discussions related to the awarded scores by the committee will not be entertained.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bidder Evaluation - Total 40 Points** | | | | | |
| **Sl No** | **Particulars** | **Points System** | **Max Points** | **Points Awarded (Not to be filled by the bidder)** | **Supporting Documents Attached** |
| 1 | Number of years the bidder has been engaged in HPC rack-based cluster supply, installation, support and maintenance (it will be counted from the date of supplied PO in the technical bid, irrespective of private or public sectors). PO must be attached as a proof of evidence. | >10yrs | 6 points  5 to <=10yrs | 5 points  3 to <5yrs | 4 points  1 to <3yrs | 2 point  <1yr | 1 point | 6 |  |  |
| 2 | Number of HPC rack-based cluster installations and supply executed by the bidder (as on date of submission including public and private sectors). PO must be attached as a proof of evidence. | >10 | 6 points  8-10 | 5 points  5-7 | 4 points  3-4 | 2 points  1-2 | 1 point  0 | 0 point | 6 |  |  |
| 3 | Cumulative turnover of bidder in last three financial years from Hardware supply, maintenance and Support service activities of rack based HPC servers only.  Year 2014-2015  Year 2015-2016  Year 2016-2017  Supporting documentary evidence must be provided. | >500Cr | 6 points  300 to <= 500Cr | 5 points 200 to < 300Cr | 4 points  >50 to < 200Cr | 2 points  <=50Cr | 1 point Cr= Crore INR | 6 |  |  |
| 4 | Number of HPC rack-based cluster installations and supply executed by the bidder in any PSU/Autonomous Bodies declared by the Govt. of India/Educational Institutions(as on date of submission). PO must be attached as a proof of evidence. | >7 | 6 points  6-7 | 5 points  4-5 | 4 points  2-3 | 2 points  1 | 1 point  0 | 0 point | 6 |  |  |
| 5 | Presence of Bidder in Gujarat in terms of HPC support desks. | 1. Bidders with presence in Gujarat will get 6 points 2. Bidders with no presence in Gujarat will get 0 point | 6 |  |  |
| 6. | The bidder should have set up at least 3 or more number of HPCs in the country in last three years with minimum 3 clusters containing sustained speed of 50 Tera Flops (for CPU only) or more. Also Bidder must have supplied at least 1 number of PFS storage in country with 50TB or more capacity in last 3 years. Purchase  order copies with bidder installations reports | >=3 HPCs containing sustained speed of >=50 TF (for CPU only) and supplied at least 1 no of PFS storage with >=50TB in last 3 years | shall get 12 points  2 HPCs containing sustained speed of >=50 TF (for CPU only) and supplied at least 1 no of PFS storage with >=50TB in | 10 |  |  |

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|  | to be submitted along with contact nos. of the person. | last 3 years | shall get 7 points  1 HPCs containing sustained speed of >=50 TF (for CPU only) and supplied at least 1 no of PFS storage with >=50TB in last 3 years | shall get 4 Points  0 HPCs in last 3 years | shall get 0 point |  |  |  |
| **Bidder Evaluation : Total Points Awarded (A)** | | | **40** |  |  |
| **Technical Evaluation - Total 30 Points** | | | | | |
| **Sl No** | **Particulars** | **Points System** | **Max Points** | **Points Awarded (Not to be filled by the bidder)** | **Supporting Documents Attached** |
| 1 | No. of deviations cited in the Technical Compliance Sheet submitted by the bidder. | 0 | 10 points  1-3 | 7 points  4-6 | 4 points  >6 | 0 point | 10 |  |  |
| 2 | HPC OEM presence in Top500.org. | >=10 entries of OEM shall get 10 points  8-9 entries of OEM shall get 7 points  5-7 entries of OEM shall get 4 points  2-4 entries of OEM shall get 2 points  <2 entries of OEM shall get 0 point | 10 |  |  |
| 3 | Performance benchmarks as stated in the technical compliance sheet. See Annexure - III | 1. Best response (may be multiple) will get 12 points 2. 2nd best response (may be multiple) will get 7 points 3. 3rd best response (may be multiple) will get 5 points 4. 4th best response (may be multiple) will get 3 points 5. 5th and onwards response will get 0 point | 10 |  |  |
| **Technical Evaluation : Total Points Awarded (B)** | | | **30** |  |  |
| **Presentation Evaluation - Total 30 Points** | | | | | |
| **Sl No** | **Particulars** | **Points System** | **Max Points** | **Points Awarded (Not to be filled by the bidder)** | **Supporting Documents Attached** |
| 1 | Clarity of the Technical Proposal and overall approach to phase wise implementation. | Excellent - 6 | 6 |  |  |

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| --- | --- | --- | --- | --- | --- |
| 2 | Type and quality of User Interface including ease of operation | Very Good -5  Good -4 Average-3 Poor-0 | 6 |  |  |
| 3 | Project Timelines and lead time for the supply of hardware | 6 |  |  |
| 4 | Risk mitigation and Quality Management Plan | 6 |  |  |
| 5 | Proposed Value Added Features and Innovative implementation approach to enable scalability and cost efficiency | 6 |  |  |
| **Presentation Evaluation : Total Points Awarded (C)** | | | **30** |  |  |
| **Overall Points Awarded (A + B + C) - Total 100 Points** | | | | | |
| Note: The bidder must score a minimum of 45 points [Bidder Evaluation (A) + Technical Evaluation (B)] and a minimum of 15 points in Presentation Evaluation(C) to qualify. The financial bids, for the bidders who do not qualify will not be opened and therefore, will not be considered as a part of the financial bid evaluation. | | | | | |

**Annexure-II**

**Name of the item/equipment:** HPC Cluster, Storage and Other Related accessories

## Required Quantity and Technical Specifications of HPC Cluster, Storage and Other Related accessories: -

**The following are the minimum requirements. Anything not meeting the minimum requirement will be counted as a deviation.**

## 42U Rack Required Qty – 1 No.

* + High quality and functional 19” OEM 42U Server Rack with required accessories along with PDUs

(at least two independent PDUs and power outlets to allow separate UPS inputs).

* + The PDUs must be equipped with enough C13/C14 sockets (at least 24 and above in a single PDU) to cater the proposed solution with LED, MCB and cable in order to connect to 32 Amp Electrical Industrial Socket.
  + Appropriate cable managers and structured cabling within the rack.
  + All doors, locks and castors must be present and operational.
  + Adequate numbers of IB/Cat6/Power etc. cables need to be provided within 1-2 meter length.

## Master Node Required Quantity – 1 No.

* + 2 x Intel® Xeon® Gold 6130 processor (12Cores, 2.10 GHz, L3 Cache: 22 MB,10.4 GT/s)
  + Intel® chipset family or matching the processor as proposed
  + 96GB DDR4 Registered ECC (12 x 8GB) ; support upto 24 dimm slots needed
  + 2 x SAS 12G 4TB 7200 rpm Hot Plug disks in RAID 1; Minimum 4 disk bays should be available.
  + On board/Add-on Raid controller supporting - RAID Levels 0, 1
  + Optical drive Ultraslim DVD-RW (inbuilt) required
  + Integrated Remote management controller port IPMI 2.0 compliant 1Gbps. should support graphical console redirection and remote media redirection. OEM Server Management Suite, The server management suite should have power management capability with view of historical data (6 months data).

Remote KVM Licence and server management licence if applicable should be provided with support for the entire warranty period

* + Graphics : Standard onboard
  + Mellanox 1 port 100Gbps Mellanox EDR InfiniBand; It is implied that all IB cables will be provided by bidder.
  + Dual Intel® Gigabit (10/100/1000Mbps) Ethernet onboard; It is implied that all Cat6 cables will be provided by the bidder.
  + Standard with 4 PCIe 3.0 slots, at least 3 PCIe 3.0 x16 slots
  + USB 2.0 and 3.0,1 x VGA, 2 x RJ45 LAN ports, 1 x RJ45 Management Port
  + Rack-mountable with mounting Rails
  + Redundant hot swap Power Supply modules. It is implied that all power cables will be provided by bidder.

## Compute Nodes Required Quantity – 5 Nos.

* + 2 x Intel® Xeon® Gold 6130 processor (16Cores, 2.10 GHz, L3 Cache: 22 MB,10.4 GT/s)
  + Intel® chipset family or matching the processor as proposed
  + 96GB DDR4 Registered ECC (12 x 8GB) ; support upto 24 dimm slots needed
  + 1 x HD SATA 6G 1TB 7.2K Hot Plug disk (Hot-swap HDD Bays); Minimum 4 disk bays should be available
  + On board/Add-on Raid controller supporting - RAID Levels 0, 1
  + Integrated Remote management controller port IPMI 2.0 compliant 1Gbps. should support graphical console redirection and remote media redirection. OEM Server Management Suite, The server management suite should have power management capability with view of historical data (6 months data).

Remote KVM Licence and server management licence if applicable should be provided with support for the entire warranty period

* + Graphics : Standard onboard
  + Mellanox 1 port 100Gbps Mellanox EDR InfiniBand;It is implied that all IB cables will be provided by bidder.
  + Dual Intel® Gigabit (10/100/1000Mbps) Ethernet onboard; It is implied that all Cat6 cables will be provided by the bidder.
  + Standard with 4 PCIe 3.0 slots, at least 3 PCIe 3.0 x16 slots
  + USB 2.0 and 3.0,1 x VGA, 2 x RJ45 LAN ports, 1 x RJ45 Management Port
  + Rack-mountable with mounting Rails
  + Redundant hot swap Power Supply modules. It is implied that all power cables will be provided by bidder.

## PFS Storage and Enclosure Required Quantity: 1 No.

* + The PFS shall be created using Lustre PFS. The bidder shall support the Lustre PFS during the period of the warranty.
  + 50TB usable with RAID 6 (8D2P) configuration using at least two RAID groups. Scalable to 200TB (usable) using the same capacity disks. The additional scalable box must be capable to seamlessly attach to the existing 50TB (usable) box without any technical dependency or downtime if required.
  + At least 4% of capacity of Object storage to be provisioned using 600GB SAS 12G 10K rpm disks in RAID 1+0
  + 1 TB in RAID 1+0 for Master Node Failover (Quorum)
  + Disk storage configured for the PFS shall have:
    - It should be populated with 2 x 16Gbps FC ports per controller.
    - It should be scalable to 4 ports per controller.
    - It should have minimum two active-active controllers with 8GB or higher cache per controller
  + All the hardware components of the PFS shall be from the same OEM as the other nodes. The PFS must be compatible with all compute/master nodes
  + The PFS shall be created using Lustre PFS. The bidder shall support the Lustre PFS during the period of the warranty.
  + Necessary FC Cables of suitable length to be provided as part of the HPC setup
  + The proposed solution must be scalable upto 200TB (usable). The additional scalable box must be capable to seamlessly attach to the existing box without any technical dependency or downtime. No Hard Disk format of the existing architecture will be allowed.

## I/O Nodes (MDS and OSS) Required Quantity: 2 Nos.

* + 2 x Intel® Xeon® Gold 5115 processor (10Cores, 2.40 GHz, L3 Cache: 13.75 MB)
  + Intel® chipset family or matching the processor as proposed
  + 64GB DDR4 Registered ECC (2 x 32GB) ; support upto 24 dimm slots needed
  + 1xHD SATA 12G 600GB 10K Hot Plug disk (Hot-swap HDD Bays); Minimum 4 disk bays should be available
  + On board/Add-on Raid controller supporting - RAID Levels 0, 1
  + Integrated Remote management controller port IPMI 2.0 compliant 1Gbps. should support graphical console redirection and remote media redirection. OEM Server Management Suite, The server management suite should have power management capability with view of historical data (6 months data).

Remote KVM Licence and server management licence if applicable should be provided with support for the entire warranty period

* + Graphics : Standard onboard
  + Mellanox 1 port 100Gbps Mellanox EDR InfiniBand; It is implied that all IB cables will be provided by bidder.
  + Dual Intel® Gigabit (10/100/1000Mbps) Ethernet onboard; It is implied that all Cat6 cables will be provided by the bidder.
  + Standard with minimum 1x PCI-E 3.0 x 8 slots 4 PCIe 3.0 slots, at least 3 PCIe 3.0 x16 slots
  + USB 2.0 and 3.0,1 x VGA, 2 x RJ45 LAN ports, 1 x RJ45 Management Port
  + 1U rack-mountable with mounting Rails
  + Redundant hot swap Power Supplies. It is implied that all power cables will be provided by bidder.
  + Minimum 2 nodes in a failover

## Infiniband Switch Required Quantity: 1 No.

* + Mellanox 36 port 100Gbps per EDR Managed switch
  + Chassis: 1U, Enhanced Data Rate
  + Redundant Power supply (inbuilt or onboard only) needed. It is implied that all power cables will be provided by bidder.
  + Necessary IB Cu-cables 100Gb QSFP cables needed to connect all the applicable items in the proposed solution.

## Ethernet Switch Required Quantity: 1 No.

* + 48-port Gigabit L2 Managed Switch
  + Redundant Power supply (inbuilt or onboard only) needed. It is implied that all power cables will be provided by bidder.
  + Necessary CAT-6 cables needed to connect all the applicable items in the proposed solution within 1- 2 meters.

## Software:

* + Should be compatible with LTS Ubuntu 14.XX and 16.XX and 18.XX Server and Desktop-Side stable 64-bit versions. The bidder will be responsible for providing support to IITGN on Operating System (OS).
  + Should support the execution of Commercial softwares such as MATLAB (Matlab license will be provided by IITGN), R cran, QGIS, VIC (Variable Infiltration Capacity model), CLM5 (Community Land Model), CCSM4 (Community Climate System Model), Noah LSM (Land Surface Model), WRF model (Weather Research and Forecast), GMT (Generic Mapping Tool) etc. in a parallel environment. The installation, troubleshoot (if any) and support for all releases/versions of all these software will be under the scope of the bidder.
  + Should support Intel suite of compilers including FORTRAN, C, C++, MPI, MKL, MVAPICH2, OPEN-MPI, compatible for cluster environment
  + Should support job scheduler (PBS)
  + Open Source Cluster Management tool (Rocks)

## Intel Parallel Studio XE 2018 Cluster Edition for Linux

* + Floating academic perpetual 1 seats for 5 years comprehensive support is required.
  + It must be noted that the license are to be registered and issued under the name of IITGN designated email address only. (Email address will be provided by IITGN as and when required). This software has to be provided by the bidder. The software must run through FlexLM or LMGRD throughout the cluster.
  + If necessary, IITGN may increase from the number of seats in future; thus the procurement for the license must be made accordingly.

## Warranty:

* + Comprehensive 5 years warranty with 24x7 support
  + The system hardware should be recovered within next business day.
  + The warranty shall include advanced replacement for all 5 years (Replacement part should be provided before taking away the faulty part).
  + Software licence and server management software should also be covered for 5 years; any new addition of the software in the list will also come under the scope of work of the bidder in terms of installation, support and troubleshoot.
  + In case the bidder fails to provide support due to any reason whatsoever, then the scope of support will directly come under the proposed OEM.

**Service Level Agreement (SLA) Requirement:**

Although 24x7 support is preferred, the minimum SLA requirements are given below.

* + Priority 1 Call: System is completely down and business is severely impacted, that is the cluster is unusable. (covered on Saturday & Sunday & Holidays as well)
  + Priority 2 Call: System is degraded with no impact on business.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Classification of Issue** | **Category** | **Response Time** | |  | **Resolution**  **Time** |  |
|  |  | |  | |
| 1 | Cluster is down and business is impacted. (Covered on Saturday and Sunday and Holidays) , that is the cluster is unusable. | Software, Network and Hardware | Within 2 hours after the lodge of the ticket with bidder (for all cases – hardware, software, network).  The ticket or docket number should be provided in email. | | | 2 days (inclusive of working and non-working and holidays).  Engineers must visit for any change in original spare parts. | |

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| 2 | System is degraded with no  impact on business. |  |  | 4 days either in person or  remotely. |

The bidder can provide their own SLA matrix in a similar format in case of any deviations from the above requirements. It is to be noted that the better SLA proposals from the bidder will not be counted as the deviation from the criteria given.

**Escalation Matrix**

The bidder must provide the escalation matrix.

**Generic Instruction (Any bids that do not meet the requirements specified below will not be considered for evaluation)**:

1. Commercial (Financial) bids must be scanned and submitted in USD format only. Components which cannot be imported may be quoted in INR.
2. OEM should have registered support office in minimum 3 locations across pan India and the Goods and Service Tax registration number has to be provided as proof.
3. OEM should be in existence in India for minimum past 10 Years. Please provide the certificate of incorporation along with corporate identity number.
4. OEM should have the following ISO certificates 9001; 14401; 27001 (copies of all 3 certificates are to be submitted as a part of the technical bid)
5. All parts including RAM, Graphic Cards & HDD to be supplied by OEM, should be under warranty of OEM. Part Number will be checked with the OEM after supply & if necessary a certificate has to be furnished on OEM letterhead. Along with the MAF, OEM should give an undertaking in its ink- signed letterhead that the parts supplied are genuine and they have not used any refurbished parts.
6. All the software being provided by the bidder must have support for upgraded, updates and patches during the comprehensive warranty period.
7. Server and Storage should be from the same OEM only. Any parts that are changed during the warranty period must be from the same OEM.
8. Bidder must have at least two entries in India Top supercomputer list published in Jan 2018. Supporting documents must be provided along with the technical bid.
9. HPC Compute Hardware OEM whose product has been quoted should have at least 10 entries in each list published online for worldwide Top 500 supercomputer released in June 2016 and after.
10. The bidder must not be blacklisted by C-DAC or any other Educational / R&D /Govt. Organizations as on date of submission.
11. All the pages of this Tender (including Annexures I, II, III and IV) must be signed and stamped, as a token of acceptance, by the bidder, else the bid will be summarily rejected.
12. The bidder must provide a list of employees working in their organization indicating with their qualifications and experience serving in the department of HPC cluster only. The qualifications and experience demonstrating the expertise to maintain HPC clusters must be clearly indicated.
13. The agency shall provide a complaint resolution portal or a central email address and phone number to lodge the complaints and thereafter issue complaint number.
14. The bidders cannot subcontract or outsource the task for installation, commissioning and support during the warranty period.
15. Detailed solution including approximate power, cooling required for the proposed solution must be indicated. The details of make and model of each item quoted must be indicated clearly and printed datasheets catalog, literature published by OEM must be submitted along with the technical bid. Test certificates from the OEM (wherever applicable) must be submitted along with the technical bid.
16. The quantity against each item mentioned in this tender may vary during actual placing of the Purchase Order. In such case of quantity variation, no change in the quoted unit price will be allowed.
17. Quotations must be valid for 120 days from the date of submission of bid.
18. The entire server should be factory integrated with all parts bearing OEM part codes. No assembly at the site will be permitted. BoM with OEM part codes should be submitted along with the technical bid.
19. Print of technical presentation should not be submitted along with the Technical Bid.
20. Once all the equipments are received in good condition, the installation of the cluster must start

without any delay from the bidder’s end.

1. A deadline must be submitted along with the technical bid setting appropriate milestones of commissioning of the cluster.
2. If the required SLA is not met then the appropriate penalty will be charged as noted in the Clause Penalty.In case there is any delay from IITGN then no penalty will be applied.
3. IITGN reserves the right to cancel the tendering process, if needed, without issuing any further notice or assigning any reason whatsoever.
4. Any interim correspondence pertaining to the tender and/or the Annexures-I, II, III and IV must be made to [purchase@iitgn.ac.in](mailto:purchase@iitgn.ac.in) only.

## Technical Instruction:

1. Ubuntu OS, MPI libraries and routines in order to run jobs, must be installed on the new nodes by the bidder.

1. HPC Benchmarking (as given in Annexure-III) needs to be executed on hardware architecture that is proposed by the bidder and the results must be submitted as part of the technical bid in the form of a CD/DVD. These benchmarking results will be used subsequently, to verify the performance of the cluster after installation. The technical bids which do not provide the benchmarking results in the form of a CD/DVD/Pendrive and as outlined above, will be summarily rejected.
2. The bidder would be responsible to provide remote and physical support, whenever needed onsite, listed below (not limited to)
   * OS Support
   * OS Kernel upgradation/downgradation (meaning kernel release, major and minor version)
   * OS troubleshooting
   * Infiniband support
   * Re-Installations of nodes in the event of OS corruption or similar incidents
   * Patch deployment
   * Compilers & Libraries implementation support
   * Application (open source and commercial) installation support
   * Scheduler Support
   * MPI installation & troubleshooting support

Note: IITGN will provide media and licenses for commercial software (excluding Intel License software).

* + - Regular Health checkups of Cluster
    - Patch updates on requirement basis
    - Problem identification on all HPC Components
  + Keep the uptime for the cluster at 99.9%; adequate numbers of motherboards, Memory module, Hard-Disk Drive, SMPS, Infiniband card (EDR), C13/C14 Power cables, Infiniband cables for EDR connectivity, Cat6 Cables, CMOS battery; only original spare parts must be used.
  + At any point of time, during bidding or installing the cluster, if it is found that any hardware/software is NOT compatible/matching with the proposed or supplied hardware/software model/configuration then the cost and/or man-hours, if any, has to be borne by the bidder.

## Penalty:

* + During the warranty and support period, penalty would be imposed for not meeting the SLA like if any ticket is found to be unresolved after the stipulated SLA period is passed; and if 2(two) such incidents happen in a quarter after project sign-off, then 0.5% of the ‘Security Deposit’ will be deducted.
  + In case 5(five) penalties in lieu of breach of SLA has been imposed during the 5 years support and maintenance period, then it would be considered as a severe non-performance from the bidder’s end and IITGN will have the sole discretion to further decide for increase in the amount of penalty to be deducted from ‘Security Deposit’ or whether the entire ‘Security Deposit’ will be completely forfeited.

## Quote must have a technical compliance report as prescribed in Annexure-IV.

**Annexure -III (Performance Benchmarks)**

**Preamble:** The following benchmarks have to be conducted and submitted along with the technical bids (See point 2 of Technical Instructions). The benchmarking must be done on the proposed hardware, software and network architecture only. The OS must be Ubuntu Cent 16.04 64 bit only.

**HPL:** This is the widely used implementation of the Linpack TPP benchmark. It measures the sustained floating point rate of execution for solving a linear system of equations in double precision (64 bits) arithmetic on distributed-memory computers. The HPL software package requires the availability on your system of an implementation of the Message Passing Interface with an implementation of either the Basic Linear Algebra Subprograms. Only the latest version of opensource Netlib HPL benchmarking must be used.

## Run on all CPUs of all 16 compute nodes (i.e. CPU-CPU and CPU-GPU) considering N = 577000 (problem size). HPL performance with Rpeak/Rmax < 55% will lead to immediate disqualification.

May download the latest version from <http://www.netlib.org/benchmark/hpl>

**OSU:** Since the benchmarking will be made on IB environment, hence run OSU code. Make sure to include for both collective and non-collective memory in MPI, and other related tests pertaining to the same. **Run across two farthest interconnected nodes. The problem size to be considered as Message sizes 64KB, 128KB, 256KB, 512KB, 1MB, 2MB and 4MB.**

May download the latest version from <http://mvapich.cse.ohio-state.edu/benchmarks/>

**STREAMS:** A simple benchmark test that measures sustainable memory bandwidth (in GB/s) and the corresponding computation rate at a vector kernel. **Must run on Single node runs (on each compute node separately). The problem size to be considered as Array size: 96, 192, 384 Million element in each array.**

May download the code and readme <http://www.cs.virginia.edu/stream/FTP/Code/>

**PTRANS:** This exercises the communications where pairs of processors communicate with each other simultaneously. It is a useful test of the total communications capacity of the network. **Run on all CPUs of all 16 compute and GPU nodes (i.e. CPU-CPU and CPU-GPU). The problem size to be considered as Square Matrix Size (# of Rows == # of Columns) >= 104448 ; Blocking (NB and MB == 192 and 384)**

May download from here <http://www.netlib.org/parkbench/>

**MAGMA :** It is a collection of next generation linear algebra (LA) GPU accelerated libraries, supports interfaces to current LA packages and standards, e.g., LAPACK and BLAS. The main benefits of using MAGMA are that it can enable applications to fully exploit the power of current heterogeneous systems of multi/many core CPUs and multi-GPUs, and deliver the fastest possible time to an accurate solution within given energy constraints. **Run only on one GPU Node with single GPU. The problem size to be considered as Square Matrices Sizes (# of Rows == # of Columns) M=39628, N=39628, K=39628**

May download from here <http://icl.cs.utk.edu/magma/>

## Annexure-IV

**Technical Compliance Report for Supply and Installation of “HPC Cluster, Storage and Other Related Accessories”**

**(**Indicate Compliance Status **(Yes/No)** for each and every bullet points**)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.**  **No.** | **Required Technical Specifications HPC Cluster, Storage and Other Related Accessories** | **Numerical Values & Other**  **Informations** | **Whether Comply (Yes/No)** |
| **1.** | **42U Rack**   * High quality and functional 19” OEM 42U Server Rack with required accessories along with PDUs (at least two independent PDUs and power outlets to allow separate UPS inputs). * The PDUs must be equipped with enough C13/C14 sockets (at least 24 and above in a single PDU) to cater the proposed solution with LED, MCB and cable in order to connect to 32 Amp Electrical Industrial Socket. * Appropriate cable managers and structured cabling within the rack. * All doors, locks and castors must be present and operational. * Adequate numbers of IB/Cat6/Power etc. cables need to be provided within 1-2 meter length. |  |  |
| **2.** | **Master Nodes**   * 2 x Intel® Xeon® Gold 6130 processor (12Cores, 2.10 GHz, L3 Cache: 22 MB,10.4 GT/s) * Intel® chipset family or matching the processor as proposed * 96GB DDR4 Registered ECC (12 x 8GB) ; support upto 24 dimm slots needed * 2 x SAS 12G 4TB 7200 rpm Hot Plug disks in RAID 1; Minimum 4 disk bays should be available. * On board/Add-on Raid controller supporting - RAID Levels 0, 1 * Optical drive ultraslim DVD-RW (inbuilt) required * Integrated Remote management controller port IPMI 2.0 compliant 1Gbps. should support graphical console redirection and remote media redirection. OEM Server Management Suite, The server management suite should have power management capability with view of historical data (6 months data).   Remote KVM Licence and server management licence if applicable should be provided with support for the entire warranty period   * Graphics : Standard onboard * Mellanox 1 port 100Gbps Mellanox EDR InfiniBand; It is implied that all IB cables will be provided by bidder. * Dual Intel® Gigabit (10/100/1000Mbps) Ethernet onboard; It is implied that all Cat6 cables will be provided by the bidder. * Standard with 4 PCIe 3.0 slots, at least 3 PCIe 3.0 x16 slots * USB 2.0 and 3.0,1 x VGA, 2 x RJ45 LAN ports, 1 x RJ45 Management Port |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | * Rack-mountable with mounting Rails * Redundant hot swap Power Supply modules. It is implied that all power cables will be provided by bidder. |  |  |
| **3.** | **Compute Nodes**   * 2 x Intel® Xeon® Gold 6130 processor (16Cores, 2.10 GHz, L3 Cache: 22 MB,10.4 GT/s) * Intel® chipset family or matching the processor as proposed * 96GB DDR4 Registered ECC (12 x 8GB) ; support upto 24 dimm slots needed * 1 x HD SATA 6G 1TB 7.2K Hot Plug disk (Hot-swap HDD Bays); Minimum 4 disk bays should be available * On board/Add-on Raid controller supporting - RAID Levels 0, 1 * Integrated Remote management controller port IPMI 2.0 compliant 1Gbps. should support graphical console redirection and remote media redirection. OEM Server Management Suite, The server management suite should have power management capability with view of historical data (6 months data).   Remote KVM Licence and server management licence if applicable should be provided with support for the entire warranty period   * Graphics : Standard onboard * Mellanox 1 port 100Gbps Mellanox EDR InfiniBand;It is implied that all IB cables will be provided by bidder. * Dual Intel® Gigabit (10/100/1000Mbps) Ethernet onboard; It is implied that all Cat6 cables will be provided by the bidder. * Standard with 4 PCIe 3.0 slots, at least 3 PCIe 3.0 x16 slots * USB 2.0 and 3.0,1 x VGA, 2 x RJ45 LAN ports, 1 x RJ45 Management Port * Rack-mountable with mounting Rails, minimum 4 nodes in 2 U * Redundant hot swap Power Supply modules. It is implied that all power cables will be provided by bidder. |  |  |
| **4.** | **PFS Storage and Enclosure**   * The PFS shall be created using Lustre PFS. The bidder shall support the Lustre PFS during the period of the warranty. * 50TB usable with RAID 6 (8D2P) configuration using at least two RAID groups. Scalable to 200TB (usable) using the same capacity disks. The additional scalable box must be capable to seamlessly attach to the existing 50TB (usable) box without any technical dependency or downtime if required. * At least 4% of capacity of Object storage to be provisioned using 600GB SAS 12G 10K rpm disks in RAID 1+0 * 1 TB in RAID 1+0 for Master Node Failover (Quorum) * Disk storage configured for the PFS shall have:   + It should be populated with 2 x 16Gbps FC ports per controller.   + It should be scalable to 4 ports per controller. |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | * It should have minimum two active-active controllers with 8GB or higher cache per controller * All the hardware components of the PFS shall be from the same OEM as the other nodes. The PFS must be compatible with all compute/master nodes * The PFS shall be created using Lustre PFS. The bidder shall support the Lustre PFS during the period of the warranty. * Necessary FC Cables of suitable length to be provided as part of the HPC setup * The proposed solution must be scalable upto 200TB (usable). The additional scalable box must be capable to seamlessly attach to the existing box without any technical dependency or downtime. No Hard Disk format of the existing architecture will be allowed. |  |  |
| **5.** | **I/O Nodes (MDS and OSS)**   * 2 x Intel® Xeon® Gold 5115 processor (10Cores, 2.40 GHz, L3 Cache: 13.75 MB) * Intel® chipset family or matching the processor as proposed * 64GB DDR4 Registered ECC (2 x 32GB) ; support upto 24 dimm slots needed * 1xHD SATA 12G 600GB 10K Hot Plug disk (Hot-swap HDD Bays); Minimum 4 disk bays should be available * On board/Add-on Raid controller supporting - RAID Levels 0, 1 * Integrated Remote management controller port IPMI 2.0 compliant 1Gbps. should support graphical console redirection and remote media redirection. OEM Server Management Suite, The server management suite should have power management capability with view of historical data (6 months data).   Remote KVM Licence and server management licence if applicable should be provided with support for the entire warranty period   * Graphics : Standard onboard * Mellanox 1 port 100Gbps Mellanox EDR InfiniBand;It is implied that all IB cables will be provided by bidder. * Dual Intel® Gigabit (10/100/1000Mbps) Ethernet onboard; It is implied that all Cat6 cables will be provided by the bidder. * Standard with minimum 1x PCI-E 3.0 x 8 slots 4 PCIe 3.0 slots, at least 3 PCIe 3.0 x16 slots * USB 2.0 and 3.0,1 x VGA, 2 x RJ45 LAN ports, 1 x RJ45 Management Port * 1U rack-mountable with mounting Rails * Redundant hot swap Power Supplies. It is implied that all power cables will be provided by bidder. * Minimum 2 nodes in a failover |  |  |
| **6.** | **Infiniband Switch**   * Mellanox 36 port 100Gbps per EDR Managed switch * Chassis: 1U, Enhanced Data Rate |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | * Redundant Power supply (inbuilt or onboard only) needed. It is implied that all power cables will by provided by bidder. * Necessary IB Cu-cables 100Gb QSFP cables needed to connect all the applicable items in the proposed solution. |  |  |
| **7.** | **Ethernet Switch**   * 48-port Gigabit L2 Managed Switch * Redundant Power supply (inbuilt or onboard only) needed. It is implied that all power cables will be provided by bidder. * Necessary CAT-6 cables needed to connect all the applicable items in the proposed solution within 1 - 2 meters. |  |  |
| **8.** | **Software:**   * Should be compatible with LTS Ubuntu 14.XX and 16.XX and   18.XX Server and Desktop-Side stable 64-bit versions. The bidder will be responsible for providing support to IITGN on Operating System (OS).   * Should support the execution of Commercial softwares such as MATLAB (Matlab license will be provided by IITGN), R cran, QGIS, VIC (Variable Infiltration Capacity model), CLM5 (Community Land Model), CCSM4 (Community Climate System Model), Noah LSM (Land Surface Model), WRF model (Weather Research and Forecast), GMT (Generic Mapping Tool) etc in a parallel environment. The installation, troubleshoot(if any) and support for all releases/versions of all these software will be under the scope of the bidder. * Should support Intel suite of compilers including FORTRAN, C, C++, MPI, MKL, MVAPICH2, OPEN-MPI, compatible for cluster environment * Should support job scheduler (PBS) * Open Source Cluster Management tool (Rocks)   **Intel Parallel Studio XE 2018 Cluster Edition for Linux**   * Floating academic perpetual 1 seats for 5 years comprehensive support is required. * It must be noted that the license are to be registered and issued under the name of IITGN designated email address only. (Email address will be provided by IITGN as and when required). This software has to be provided by the bidder. The software must run through FlexLM or LMGRD throughout the cluster. * If necessary, IITGN may increase from the number of seats in future; thus the procurement for the license must be made accordingly. |  |  |
| **9.** | **Warranty**:   * Comprehensive 5 years warranty with 24x7 support * The system hardware should be recovered within next business day. |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | * The warranty shall include advanced replacement for all 5 years ( Replacement part should be provided before taking away the faulty part). * Software licence and server management software should also be covered for 5 years; any new addition of the software in the list will also come under the scope of work of the bidder in terms of installation, support and troubleshoot. * In case the bidder fails to provide support due to any reason whatsoever, then the scope of support will directly come under the proposed OEM. |  |  |
| **10.** | **Service Level Agreement (SLA) Requirement:**  Although 24x7 support is preferred, the minimum SLA requirements are given below.   * Priority 1 Call: System is completely down and business is severely impacted, that is the cluster is unusable. (covered on Saturday & Sunday & Holidays as well) * Priority 2 Call: System is degraded with less impact on business.   The bidder can provide their own SLA matrix in a similar format in case of any deviations from the above requirements. It is to be noted that the better SLA proposals from the bidder will not be counted as the deviation from the criteria given.  **Escalation Matrix**  The bidder must provide the escalation matrix. |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Classificati on of Issue** | **Category** | **Response Time** | | **Resoluti**  **on Time** |  |
|  |  |  | |
| 1 | Cluster is | Software, | Within 2 hours | | 2 days (inclusive of | |
|  | down and | Network | the lodge of the | | working and non- | |
|  | business is | and | ticket with the | | working and holidays). | |
|  | impacted. | Hardware | bidder (for all | | Engineers must visit | |
|  | (covered on |  | cases hardware, | | for any change in | |
|  | Saturday |  | software, | | original spare parts. | |
|  | and Sunday |  | network) The | |  | |
|  | and |  | ticket or docket | |  | |
|  | holidays), |  | number should | |  | |
|  | that is the |  | be provided in | |  | |
|  | cluster is |  | email. | |  | |
|  | unusable. |  |  | |  | |
| 2 | System is degraded with no  impact on  business. |  |  | | 4 days either in person or remotely. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **11.** | **Performance Benchmarks**  **Please provide the report of the ‘Performance Benchmark’ as described in Annexure-III. It should be submitted as per the Instructions given in Annexure-I, Point No. 4 (page no. 14).** |  |  |

**\*All points indicated above (Annexure-IV) must be filled by the bidder and relevant documents (i.e. catalogue, literature etc.) should be submitted online.**

**Annexure-V**

## INTEGRITY PACT

To,

………………………..,

………………………..,

………………………..

## Sub: Tender No.………………………………….for the supply of ………………

Dear Sir,

It is hereby declared that IITGN is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject tender is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender / bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the IITGN.

Yours faithfully,

Authorized Officer, IIT Gandhinagar

## INTEGRITY PACT

To

Authorized Officer IIT Gandhinagar

**Sub:** Submission of Tender for the supply of Dear Sir/Madam,

I / We acknowledge that IITGN is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender / bid document.

I / We agree that the cited tender is an invitation to offer made on the condition that I / We will sign the enclosed Integrity Agreement, which is an integral part of tender documents, failing which I / We will stand disqualified from the tendering process. I / We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the tender.

I / We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender / bid is finally accepted by IITGN. I / We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article-1 of the enclosed Integrity Agreement.

I / We acknowledge that in the event of my / our failure to sign and accept the Integrity Agreement, while submitting the tender / bid, IITGN shall have unqualified, absolute and unfettered right to disqualify the tenderer / bidder and reject the tender / bid is accordance with terms and conditions of the tender / bid.

Yours faithfully,

## (Duly authorized signatory of the Tenderer / Bidder)

**To be signed by the bidder and same signatory competent / authorised to sign the relevant contract on behalf of IIT Gandhinagar**

## INTEGRITY AGREEMENT

This Integrity Agreement is made at ............... on this...........day of...........20...

BETWEEN

Director IITGN, Gandhinagar represented through Authorized Officer, IIT Gandhinagar (Hereinafter referred as the ‘Principal / Owner’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.............................................................................................................

(Name and Address of the Individual/firm/Company)

through (here-in-after referred to as the

(Details of duly authorized signatory)

“Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include

its successors and permitted assigns)

Preamble

WHEREAS the Principal /Owner has floated the Tender (No........................................) (here-in-after referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract for

.................................................................................................................................

(Name of work)

Here-in-after referred to as the “Contract”.

AND WHEREAS the Principal / Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

## Article 1: Commitment of the Principal / Owner

1. The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
   1. No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
   2. The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
   3. The Principal / Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
2. If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC) / Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal / Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

## Article 2: Commitment of the Bidder (s) / Contractor (s)

1. It is required that each Bidder / Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
2. The Bidder(s) / Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
   1. The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal / Owner’s employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
   2. The Bidder(s) / Contractor (s) will not enter with other Bidder (s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
   3. The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s) / Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or

transmitted electronically.

* 1. The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
  2. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose (with each tender as per performa enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

1. The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
2. The Bidder(s) / Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a wilful misrepresentation or omission of facts or submission of fake / forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
3. The Bidder(s) / Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his / her reputation or property to influence their participation in the tendering process).

## Article 3: Consequences of Breach

1. Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal / Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder / Contractor accepts and undertakes to respect and uphold the Principal / Owner’s absolute right:
2. If the Bidder (s) / Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days’ notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.
3. Forfeiture of EMD / Performance Guarantee / Security Deposit:

If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from

exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

1. Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal / Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

## Article 4: Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
3. If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

## Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

1. The Bidder(s) / Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder / Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub- contractors/sub-vendors.
2. The Principal / Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
3. The Principal / Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

## Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the vendor/tenderer 12 months after the completion of warranty period under the contract or till the continuation of defect liability period, whichever is more and for all other bidders/tenderers, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, IIT Gandhinagar.

## Article 7- Other Provisions

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Division of the Principal / Owner, who has floated the Tender.
2. Changes and supplements need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
4. Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation there of shall not be subject to arbitration.

## Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender / Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

............................................................

(For and on behalf of Principal/Owner)

..............................................................

(For and on behalf of Bidder/Contractor) WITNESSES:

* 1. (Signature, name and address)
  2. (Signature, name and address)

Place: - Dated: -

**Annexure-VI**

**Undertaking**

{Submitted on Letterhead of Original Equipment Manufacturer (OEM)}

An undertaking from the Original Equipment Manufacturer (OEM) is required and stating that they would facilitate the bidder on a regular basis with technology/product updates and extends support for the warranty as well.

Sign of authorised person (OEM):- \_ Date: - Name of the authorised

Person (OEM):-

**Annexure-VII**

**Warranty Declaration**

{Submitted on Letterhead of bidder/supplier)

The warranty declaration states that “everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be complete enough to carry out the experiments, as specified in the tender document.”

Sign of authorised person of bidder: - \_ Date: - Name of the authorised

Person of bidder:-

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Annexure-VIII (A)**  **FINANCIAL OFFER**  **FOR INDIGINEOUS SUPPLIES**  Supplier’s Ref No. & Date: - Tender No. : -  Due Date: -  Description of item: - **HPC Cluster, Storage and Other Related Accessories** | | | | | | | |
|  | Sr.  No. | Required List of items (Description of Item & Specifications  (Model no if any) | Qty. in Units | Unit Price in Rs. | Discount (%) | GST (%)\* | Total Price in Rs. |
| 1. | **42U Rack**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |  |
| 2. | **Master Node**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |  |
| 3. | **Compute Nodes**  (As per technical specifications mentioned in Annexure-II) | 5 Nos. |  |  |  |  |
| 4. | **PFS Storage and Enclosure**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |  |
| 5. | **I/O Nodes (MDS and OSS)**  (As per technical specifications mentioned in Annexure-II) | 2 Nos. |  |  |  |  |
| 6. | **Infiniband Switch**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |  |
| 7. | **Ethernet Switch**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |  |
| 8. | **Software**  (As per technical specifications  mentioned in Annexure-II) | 1 No. |  |  |  |  |
| 9. | **Installation and Warranty**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |  |
| **Total Quoted Price :-** | | | | | |  |
| **(Total Amount in Words of )** | | | | | | |
| **\*The brief technical specifications in the financial offer against each item are explicitly mentioned.**  Page **41** of **45** | | | | | | | |

## \*IIT Gandhinagar is eligible for concessional rate of GST i.e. @ 5% as per the Notification No. 45/2017, Central Tax (Rate), State Tax (Rate) and/or 47/2017 Integrated Tax (Rate), dated 14.11.2017 issued by Government of India.

* Delivery Mode : Delivery at IIT Gandhinagar, at site only
* Total bid price should be inclusive of all taxes and levies, transport, loading, unloading etc.
* Warranty Period: ………………………...
* Delivery Period: days/weeks.
* Installation Period: days/weeks.
* Quotation Validity Date: - Minimum 120 Days from the date of Submission of quotation/tender due date.
* Payment Term: Payment within 30 working days from the date of submission of clear Invoice and security deposit with acceptance certificate from the concerned dept./Sect./MMD.

Sign of bidder: - Date: - Name of the bidder:- Firm’s Name:-

**Note: Price Bid should be submitted in given format only. For additional information/extra items above format may be typed and used.**

Supplier’s Ref No. & Date: - Tender No. : -

Due Date: -

**Annexure-VIII (B) FINANCIAL OFFER**

**FOR IMPORTED SUPPLIES**

Description of Item/Equipment: - **HPC Cluster, Storage and Other Related Accessories**

**PRICE BID**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Description of Item & Specification** | **Qty. in Units** | **Unit Price** | **Price Basis (Ahmedabad International**  **Airport)** | **Total Price in Foreign Currency** |
| **CIP** |
| 1. | **42U Rack**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |
| 2. | **Master Node**  (As per technical specifications mentioned in Annexure-II) | 1 Nos. |  |  |  |
| 3. | **Compute Nodes**  (As per technical specifications mentioned in Annexure-II) | 5 Nos. |  |  |  |
| 4. | **PFS Storage and Enclosure**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |
| 5. | **I/O Nodes (MDS and OSS)**  (As per technical specifications mentioned in Annexure-II) | 2 Nos. |  |  |  |
| 6. | **Infiniband Switch**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |
| 7. | **Ethernet Switch**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |
| 8. | **Software**  (As per technical specifications  mentioned in Annexure-II) | 1 No. |  |  |  |
| 9. | **Installation and Warranty**  (As per technical specifications mentioned in Annexure-II) | 1 No. |  |  |  |
| **Total Quoted Price :-** | | | | |  |
| **(Total Amount in Words of )** | | | | | |

## \*\*The brief technical specifications in the financial offer against each item are explicitly mentioned. The necessary additions will be made by the bidder/supplier.

* + 1. Delivery Period:..............................
* 2. Warranty Period: ………………………
* 3. Installation Period:………………………
* 4. Terms of payment: (a) 100% payment by Letter of Credit (90% payment will be released after completion of the supply/delivery and balance 10% will be paid after satisfactory installation, commissioning of item/equipment and submission of security deposit).
* (b) Payment by wire transfer (on request) within 30 days from the date of supply/delivery, installation, commissioning of item/equipment and submission of security deposit.
* 5. Validity of the bid 120 days from the date of opening of the tender.

Signature: Name: Business Address: Place:

Date: Affix Rubber Stamp:

## Note: Price Bid should be submitted in given format only. For additional information/extra items above format may be typed and used.

**To,**

**Annexure - IX**

**TENDER ACCEPTANCE LETTER**

**(To be given on Company Letter Head)**

**Date:**

**Sub: Acceptance of Terms & Conditions of Tender.**

**Tender Reference No:**

**Name of Tender / Work: -**

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned ‘Tender/Work’

from the web site(s) namely:

as per your advertisement, given in the above mentioned website(s).

1. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
2. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
3. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
4. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Govt. Autonomous organisations.
5. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore can summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

## (Signature of the Bidder, with Official Seal)